

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. ASC-025DV2C1

First Named Inventor Cheng

Title Process for Producing Semiconductor Article Using Graded Epitaxial Growth

22856 U.S. PTO
10/802186

031704

APPLICATION ELEMENTSADDRESS TO: **Box Patent Application
Commissioner for Patents
Washington, D.C. 20231**1. ☒ Fee Transmittal Form2. ☐ Small Entity Status☐ Applicant claims small entity status☐ Status established in prior application and is still proper and desired3. ☒ Specification and Drawings [Total Pages 30]

- Cover Page - (1 page)

- Written Description - (12 pages)

- Claims - (8 pages)

- Abstract - (1 page)

- Informal Drawings - (8 sheets)

4. ☒ Oath or Declaration [Total Pages 3]a. ☐ Newly executed (original)b. ☒ Copy from a prior application (37 CFR 1.63(d))

(for continuation/divisional with Box 17 completed)

[Note Box 5 below]

5. ☒ Incorporation by Reference (usable if Box 4b is checked)

The entire Disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

6. ☒ Application Data Sheet7. ☐ Nucleotide and/or Amino Acid Sequence Submission☐ Computer Readable Form (CRF)☐ Paper Copy (identical to computer copy)☐ CD (2 copies) (identical to computer copy)☐ Statement verifying identity of above copies**ACCOMPANYING APPLICATION PARTS**8. ☐ 37 CFR 3.73(b) Statement (when there is an assignee)☐ Power of Attorney9. ☐ English Translation Document (if applicable)10. ☐ Information Disclosure Statement (IDS)/PTO-1449☐ Copies of IDS Citations11. ☒ Preliminary Amendment☐ Drawings [Total Sheets]12. ☒ Return Receipt Postcard (specifically itemized)13. ☐ Certified Copy of Priority Document(s) (if foreign priority claimed)14. ☐ Nonpublication Request Under 35 U.S.C. 122(b)15. ☐ CD in duplicate for large table or computer program16. ☒ Other:

(1) Copy of Preliminary Amendment filed in parent case (10 pages)

(2) Copy of Power of Attorney by Assignee of Entire Interest and Revocation of Prior Powers and New Power of Attorney (2 pages)

(3) Copy of Trans. of Formal Drawings filed in parent case (1 page)

(4) Copy of Formal Drawings filed in parent case (5 sheets)

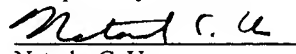
17. ☒ If a CONTINUING APPLICATION: Amend the specification by inserting on page 1, before the first line, the sentence: --This is a☒ continuation☐ divisional☐ continuation-in-part of prior application Serial Nos. 10/379,355, filed on March 4, 2003 and 09/928,126, filed on August 10, 2001 the entire disclosure of which is incorporated by reference herein.--

Priority to the above application(s) is claimed under 35 U.S.C. 120.

Prior application information: Examiner: C. Thompson. Group/Art Unit: 2813.

18. ☒ Priority - 35 U.S.C. 119☒ Priority of application Serial No. 60/225,666 filed on August 16, 2000, in the U.S. Patent and Trademark Office is claimed under 35 U.S.C. 119.☐ The certified copy has been filed in prior U.S. application Serial No. ____/____ on ____.☐ The certified copy will follow.**CORRESPONDENCE ADDRESS**Direct all correspondence to: Patent Administrator
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110
Tel. No.: (617) 248-7000
Fax No.: (617) 248-7100
Customer No. 021323**SIGNATURE BLOCK**Date: March 17, 2004
Reg. No. 44,381
Tel. No.: (617) 310-8327
Fax No.: (617) 248-7100

Respectfully submitted,


Natasha C. Us
Attorney for the Applicants
Testa, Hurwitz & Thibault, LLP
High Street Tower
125 High Street
Boston, MA 02110I do not receive the following
item(s) 8 pages of informal drawing

**FEE TRANSMITTAL
FY 2004***Complete if Known*

| | |
|---------------------------|------------------|
| Application Serial Number | Not yet assigned |
| Filing Date | Herewith |
| First Named Inventor | Cheng |
| Group Art Unit | Not yet assigned |
| Examiner Name | Not yet assigned |
| Attorney Docket No. | ASC-025DV2C1 |

METHOD OF PAYMENT

1. ☒ Payment Enclosed:
☒ Check ☐ Money Order ☐ Other
2. ☒ The Commissioner is hereby authorized to credit or charge any fee indicated below for this submission to Deposit Account No. 20-0531.
☐ Required Fees (copy of this sheet enclosed).
☒ Additional fee required under 37 CFR 1.16 and 1.17.
☒ Overpayment Credit.
3. ☐ Applicant claims small entity status.

FEE CALCULATION**1. FILING FEE**

| Large Entity Fee (\$) | Fee Description | Fee Paid |
|-----------------------|------------------------|----------|
| 770 | Utility filing fee | 770.00 |
| 340 | Design filing fee | |
| 160 | Provisional filing fee | |

| Number Filed | Number Extra | Rate | Amount |
|--------------|--------------|------|--------|
|--------------|--------------|------|--------|

Total Claims - 20 = x \$ 18.00 =

Independent Claims - 3 = x \$ 86.00 =

☐ Multiple Dependent Claim(s), if any \$290.00 =

TOTAL: 770.00

SMALL ENTITY DISCOUNT:

SUBTOTAL (1) (\$) 770.00

2. AMENDMENT CLAIM FEES

| Claims Remaining After Amend. | Highest No. Previously Paid For | Present Extra | Rate | Fee Paid |
|-------------------------------|---------------------------------|---------------|------|----------|
|-------------------------------|---------------------------------|---------------|------|----------|

Total - = x \$ 18.00 =

Indep. - = x \$ 86.00 =

☐ First Presentation of Multiple Dep. Claim + \$290.00 =

TOTAL: (\$)

SMALL ENTITY DISCOUNT: (\$)

SUBTOTAL (2) (\$) 0.00

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

| Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description | Fee Paid |
|-----------------------|-----------------------|--|----------|
| 130 | 65 | Surcharge - late filing fee or oath | |
| 50 | 25 | Surcharge - late provisional filing fee or cover sheet | |
| 130 | 130 | Non-English specification | |
| 2,520 | 2,520 | Request for ex parte reexamination | |
| 110 | 55 | Extension for reply within first month | |
| 420 | 210 | Extension for reply within second month | |
| 950 | 475 | Extension for reply within third month | |
| 1480 | 740 | Extension for reply within fourth month | |
| 2010 | 1005 | Extension for reply within fifth month | |
| 330 | 165 | Notice of Appeal | |
| 330 | 165 | Filing a brief in support of an appeal | |
| 290 | 145 | Request for oral hearing | |
| 130 | 130 | Petitions to the Commissioner | |
| 180 | 180 | Submission of Information Disclosure Statement | |
| 770 | 385 | Filing a submission after final rejection (37 CFR 1.129(a)) | |
| 770 | 385 | For each additional invention to be examined (37 CFR 1.129(b)) | |
| 100 | 100 | Certificate of Correction for applicant's error | |
| 110 | 55 | Submission of Terminal Disclaimer | |
| Other fee (Specify) | | | |
| Other fee (Specify) | | | |

SUBTOTAL (3) (\$) 0.00

SUBTOTAL (1) 770.00

SUBTOTAL (2) 0.00

SUBTOTAL (3) 0.00

TOTAL (\$) 770.00

CORRESPONDENCE ADDRESS

Direct all correspondence to:

Patent Administrator
 Testa, Hurwitz & Thibault, LLP
 High Street Tower-125 High Street
 Boston, MA 02110
 Tel. No.: (617) 248-7000
 Fax No.: (617) 248-7100

SIGNATURE BLOCK

Respectfully submitted,

Natasha C. Us

Natasha C. Us
 Attorney for the Applicants
 Testa, Hurwitz & Thibault, LLP
 High Street Tower-125 High Street
 Boston, MA 02110

Date: March 17, 2004
 Reg. No.: 44,381
 Tel. No.: (617) 310-8327
 Fax No.: (617) 248-7100

PATENT

Attorney Docket No.: ASC-025DV2

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: Cheng et al.
SERIAL NO.: Not yet assigned GROUP NO.: Not yet assigned
FILING DATE: Herewith EXAMINER: Not yet assigned
TITLE: PROCESS FOR PRODUCING SEMICONDUCTOR ARTICLE
USING GRADED EPITAXIAL GROWTH

BOX PATENT APPLICATION
Assistant Commissioner for Patents
Washington, D.C. 20231

TRANSMITTAL OF FORMAL DRAWINGS

Sir:

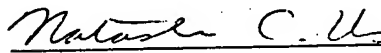
Transmitted herewith for filing in the above-referenced patent application are five (5) sheets of formal drawings.

Respectfully submitted,

Date: March 4, 2003
Reg. No. 44,381

Tel. No.: (617) 310-8327
Fax No.: (617) 248-7100

2588761-1


Natasha C. Us
Attorney for the Applicants
Testa, Hurwitz, & Thibeault, LLP
High Street Tower
125 High Street
Boston, Massachusetts 02110